

**3.9.9 Energy Benchmarks for Newly Constructed Primary Schools, by Selected City and End-Use  
(thousand Btu per square foot)**

	<u>IECC Climate Zone</u>	<u>Heating</u>	<u>Cooling</u>	<u>Water Heating</u>	<u>Ventilation</u>
Miami	1A	1.1	21.5	0.9	3.0
Houston	2A	9.6	18.5	1.2	3.0
Phoenix	2B	9.4	16.3	1.1	3.6
Atlanta	3A	13.7	12.6	1.5	2.7
Los Angeles	3B	6.0	8.6	1.4	2.5
Las Vegas	3B	10.2	11.6	1.2	3.4
San Francisco	3C	22.7	5.5	1.6	3.2
Baltimore	4A	24.1	10.9	1.7	2.9
Albuquerque	4B	16.7	7.8	1.6	3.6
Seattle	4C	19.6	3.4	1.7	2.3
Chicago	5A	33.9	7.5	1.8	3.1
Boulder	5B	24.9	5.7	1.8	3.4
Minneapolis	6A	49.0	6.5	2.0	3.3
Helena	6B	39.9	4.2	2.0	3.3
Duluth	7	59.7	3.6	2.2	2.9
Fairbanks	8	100.8	2.3	2.5	2.7

Note(s): Benchmark lighting energy = 16.6 thousand Btu/SF and internal loads = 20.7 thousand Btu/SF.

Source(s): DOE/EERE/BT, Commercial Building Benchmark Models, [http://www1.eere.energy.gov/buildings/commercial\\_initiative/new\\_construction.html](http://www1.eere.energy.gov/buildings/commercial_initiative/new_construction.html), May 2009.